

198-58-5-15/17

Scientific-Technical Conference on Metallurgy and Heat Treatment, Khar'kov

The conference also recommended continuing the work of work hardening of components (KMTZ experience) by means of working with rolls and by means of shot peening. Furthermore, the members of the conference recommended application of high speed methods of heat treatment of components made of duraluminium and of steel KhVG sheet.

The Works should introduce extensively excellent high productivity and accurate methods of physical control. It was recommended that KMTZ Lening should continue with the work of selection of materials which have a high erosion stability. More thorough investigations were recommended relating to the mechanism of transformation of super-cooled austenite for the purpose of deriving practical recommendations. The conference addressed itself to the Technical Directorate of the Zavodskiy with a proposal for carrying out jointly with the section of Metals technology and heat treatment of KMTZ Makhov a conference of the DZEL personnel and of the chief metallurgy sections for drawing up more concrete plans of research work and for exchanging experience.

(Note: This is virtually a complete translation.)

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1. Conferences-Metallurgy and Heat Treatment-Khar'kov
2. Metallurgy-USSR

AUTHOR: Ginzburg, Z.I., Engineer

SOV/122-58-7-30/31

TITLE: Production Engineering and Technical Session on the Exchange of Experience in the Utilisation of Natural Gas in Industrial Furnaces of Engineering Plants (Proizvodstvenno-tekhnicheskaya sessiya po obmenu opytom ispol'zovaniya prirodnogo gaza v promyshlennykh pechakh mashinostroitel'nykh zavodov)

PERIODICAL: Vestnik Mashinostroyeniya, 1958³⁵, No. 7, pp 86-87 (USSR)

ABSTRACT: The session was called by the Khar'kov sovmarkhoz (Khar'kov Economic Council), the metal-working section of the nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti (Scientific and Technical Society for the Engineering Industry) and the Institut ispol'zovaniya gaza v kommunal'nom khozyaystve i promyshlennosti Ak. USSR (Institute for Gas Utilisation in Communal Services and Industry at the Ac.Sc. Ukrainian SSR). V.K. Tarasenko Engineer of the zavod transportnogo mashinostroyeniya (Transport Machinery Works) imeni Kalysheva reported on experience in the operation of forge-heating furnaces and open-hearth furnaces with natural gas. The use of flameless injection burners is permissible in forging shops and rough-heat treatment shops when heating forging blanks

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of medium cross-section not subject to rigid control of mechanical properties. The use of flame-type two-channel burners is acceptable in all shops, including heat-treatment furnaces for finish treatment and furnaces for the heating of components and blanks of arbitrary cross-section subject to rigid control of mechanical properties. Such burners ensure a greater stability of the furnace. Gas burners cannot be placed anywhere in the working space of the furnace. Their optimum position is 400-450 mm above the sole of the furnace or 200-250 mm above the surface of the charge. In heat-treatment furnaces, especially with multi-layer charging, rapid heating is achieved by placing the burners at the furnace sole level. In co-operation with the Gas Utilisation Institute of the Ukrainian Ac.Sc., the lecturer's works developed a successful method for the heating of large ingots. Injector burners did not ensure the required uniformity and rate of ingot heating. 22 hours were needed for an ingot of 13 tons (compared with 10 hours with oil). The residual oil atomisers, type RDB, with

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double atomisation, were used with changed nozzles. A
toron type gas combustion was achieved which heated the
ingots in 10 hours. The fuel cost per ton of output is
reduced compared with oil. A typical value is 55 roubles
compared with 80 in forge-heating furnaces. Forging and
heat treatment shops have achieved automatic temperature
control with the help of an electronic-hydraulic instal-
lation, designated RTEG-1. I.N. Kamp, Engineer, of the
Institute of Gas Utilisation, reported on work at the
imeni May'sheva Works to improve the combustion of natural
gas in a 40-ton open-hearth furnace. The two-channel
burner was replaced by a single-channel burner and the shape
of the working space of the furnace was changed resulting
in a significant improvement. The practice of working with
furnaces fired by natural gas installed in the Khar'kovskiy
traktorniy zavod (Khar'kov Tractor Works) was discussed
by I.R. Bykov, Engineer. 97 heat-treatment furnaces and
forge heating furnaces and 32 drying furnaces have been
converted to a natural gas. Two-channel low-pressure
burners of the Giprosel'mash design operating on a gas

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pressure of 250 mm water column and an air pressure of 500 mm water column were used. It was necessary to increase the gas pressure to 500-700 mm water column. The furnaces were modified from under-floor to side heating. Nemirovskiy, A.Ya., Engineer, of the Motorostroitel'nyy zavod (Engine Works) "Serp i Molot", reported on the conversion to natural gas of forge-heating furnaces and boilers. The former are equipped with injector burners of 5 sizes ranging from 6 to 18 m³/h capacity. In the drop-hammer section, two-channel burners of 16-60 m³/h capacity are used. The furnaces are equipped with screens to induce air circulation. It has been shown by gas analysis that, in using injector burners, the air excess coefficient is lower than in using two-channel burners. The coefficient amounts to 1.05-1.1. Increasing the loading of the hearth by reducing its surface area made it possible to reduce the specific fuel consumption and increase the furnace output. The drying kiln, the furnace for heating

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and firing of blocks and other units in the foundry have been converted to natural gas. Single-conduit, three-nozzle burners of 30-50 m³/h capacity are used. Single-conduit multi-nozzle burners have given good service in boilers. Kopytov, V.F., Corresponding Member of the Ac.Sc. Ukrainian SSR, lectured on new heating methods in forging shops. Several variants exist for using natural gas in non-oxidising metal-heating furnaces. The construction of such furnaces is associated with the production of fire-bricks and fire-resistant materials for high-temperature recuperators and regenerators. At present, the Gas Utilisation Institute is working on the solution of a reliable non-oxidising heating method for forging and stamping. A.Ye. Yerimov, Engineer, of the Institute of Gas Utilisation, reported on the conversion of industrial furnaces from producer to natural gas. The existing gas-burning equipment can be used by simply reducing the cross-sections for gas flow. Kovalenko, V.V. of the IIG AN USSR (Institute of Gas Utilisation) lectured on drying kilns with infra-red gas heating when working with

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natural gas. The heating conditions are controlled by the gas flow or by connecting rows of radiating panels. A study carried out to determine conditions of drying for UE-11 and UE-41 enamels or of UVL-1 and ML-21 lacquers on the bodies of sewing machines has established that good drying takes place over the whole surface. With a temperature of 400-450 °C at the radiating surface, satisfactory drying is accomplished in 4-6 minutes without discoloration. The use of the mixture of the combustion products of natural gas and air as a heat carrier has made it possible to simplify and cheapen significantly the design of the drying plant and to increase its efficiency. The fuel consumption has been reduced by a factor of 2.2. The duration of drying has remained the same as in drying with air heated to the same temperature. Kol'dinov, L.T., Engineer, of the Khar'kovskiy velozaved (Khar'kov Bicycle Works) delivered a paper on the possibilities of automation when using natural gas. Gas carburising in natural gas has been adopted in the Ts-60 furnace. The gas pressure is 150-250 mm water column. The duration of carburising to a

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depth of 1 mm is 4.5 hours. A tunnel furnace made of fireclay rings has been designed and built at the works. The furnace is heated with injector burners of medium pressure, and uses natural gas as a carburiser. In co-operation with the Gas Utilisation Institute, the design and construction of a high-speed heating furnace has been accomplished for the end faces of 32 mm dia rods, feeding a rod each 13-15 sec. An original design of a conveyor for transporting the rods from the furnace to the forging machine is being completed. The design, pursued by the lecturer, of a turbine burner of 30-40 m³/h capacity uses the energy of high-pressure gas to drive a fan which forces air for combustion from the atmosphere and ensures a torch-type gas-combustion process. Dolginova, M.Ye., Engineer, of the Bakinskiy sudoremontnyy zavod (Baku Ship Repair Yard) imeni Parizhskoy Kommuny delivered a paper on the use of natural gas for the smelting of cast iron. The method developed and tested in practice, which dispenses with coke, consists of constructing alongside an ordinary cupola furnace a small reflecting furnace operating

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with natural gas. The furnace has three burners supplied by one air manifold and one gas manifold which ensure the simultaneous control of all burners. The practical utilisation of gas-fired cast iron melting furnaces has shown that cast iron with a carbon content below 3% can be produced. The high temperatures achieved make it possible to introduce up to 15-20% of steel scrap into the charge and also to accomplish modification of the cast iron. It is stated that cast iron melted with gas has a low sulphur content and is distinguished by higher mechanical properties. Zamalin, P.S., Engineer, of the Khar'kovskiy elektromekhanicheskiy zavod (Khar'kov Electro-mechanical Works) reported on experience with the burning of natural gas in industrial furnaces. Mr. Mibok'yan, Engineer, of the Rostsel'mash spoke on the use of gas drying and the conversion of electric furnaces to natural gas.

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Levitan, R.B., Engineer, of the Khar'kovskiy zavod
shveynykh mashin (Khar'kov Sewing Machine Works) reported
on workshop heating with natural gas using calorifiers.
There is 1 table.

ORLEANSKIY, Ya.P.; LUR'YE, D.A.; GINZBURG, Z.L.; RYZHIK, Z.M., inzh.,
red.; FREGER, D.P., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Automatic plant producing carbon dioxide for welding] Avtoma-
ticheskaya stantsiya vyrabotki uglekislogo gaza dlia svarki.
Leningrad, 1961. 28 p. (Leningradskii dom nauchno-tekhnicheskoi
propagandy. Obmen peredovym opytom. Seriya: Svarka, rezka i
paika metalla, no.8) (MIRA 15:3)
(Carbon dioxide) (Welding)

MELLER, I.S.; GINZBURG, Z.I.

Automatic loader of stools in tunnel-type heat-treatment furnaces.
Mashinostroenie no.2:112 Mr-Ap '62. (MIRA 15:4)
(Furnaces, Heat-treating)

~~APPROVED FOR RELEASE Tagash, Sept 14, 1992 CIA-RDP86-01513R0005~~

3R0005

INDUSTRY, Y. S. S., of GAS WORKS, C. L., fresh.

Materials received and processing of metal ship. Machine tools
no. 412045 Aug 1955. (MIRA 18:8)

(MIRA 1E.8)

AL. OSIPENKO, A.F.; GILZULOV, Z.N.; LEKINOV, K.K.; PAVLOVICH, P.A.,
Inzh., retirovanniy; KAMNEV, I.V., kand. tekhnichesk. nauk.

[Mechanization and automation of forging and stamping
operations] Mekhanizatsiya i avtomatizatsiya kuznechno-
stanzovogo obrabotki. Izd. 2. 1984. 149 p. (bibliogr.
skazaniya, tekhnichesk. nauch. i inzh. nauch. i inzh. nauch.
skazaniya, tekhnichesk. nauch. i inzh. nauch. i inzh. nauch.)

149 p.

137-58-3-5081

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 88 (USSR)

AUTHORS: Yekimov, K. K., Ginzburg, Z. M.

TITLE: Mechanization of Press-forging Operations in Leningrad Plants
(Opyt leningradskikh zavodov po mekhanizatsii kuznechno-shtampovoykh rabot)

PERIODICAL: V sb.: Kuznechno-shtampovoychn.proiz-vo. Leningrad,
Lenizdat, 1957, pp 112-125

ABSTRACT: A description of equipment and apparatus, and an account of improvements in their design, introduced in the mechanization of a number of press-forging operations at Leningrad plants. The transfer of metal from its storage place to the appropriate station is accomplished by means of a railroad crane, which had been converted from steam to electrical operation. The operation of cutting the stock is completely mechanized by the employment of track-type slat conveyors and roller-type conveyors. The design of improved gripping and manipulating devices is presented together with a description of a system in which the drop-hammer and the rotary crane are controlled jointly. The author also shows the design of a rocking mono-

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Mechanization of Press-forging Operations in Leningrad Plants

rail with a pneumatic lifter and describes the application and design of the following equipment: conveyors for the drop-hammer stand; a ground-type manipulator and a tilter operating in conjunction with the forging hammer; an electrically powered tilter; an overhead clamp-type holder; revolving plates and a manipulator operating in conjunction with the forging presses. The modernization of control systems for hydraulic, steam-hydraulic, and frictional presses is examined.

P.S.

1.1.1.

BOOK EXPLOITATION

SOV/3373

Ginzburg, Salman Moiseyevich, and Sergey Mikhaylovich Stel'makov

Modernizatsiya kuznechno-pressevogo oborudovaniya i shtampovoye khozyaystvo
kuznechnykh tsekhov (Modernization of Forging and Press Equipment and Die
Handling in Forging Shops) Moscow, Mashgiz, 1958. 68 p. (Series: Bibliotekha
kuznetsa-novatora vyp. 8) 7,500 copies printed.

General Ed.: P. V. Kamnev, Candidate of Technical Sciences, Docent; Reviewers:
B. O. Bange, Engineer, and P. M. Pavlovich, Engineer; Ed.: A. P. Atroshenko,
Candidate of Technical Sciences, Docent; Ed. of Publishing House: I. A.
Borodulina; Tech. Ed.: O. V. Speranskaya; Managing Ed. for Literature on
Machine-building Technology (Leningrad Division, Mashgiz): Ye. P. Naumov,
Engineer.

PURPOSE: This booklet is intended for forge-shop workers. It may also be useful
to technical personnel in forge shops and to students in secondary schools and
schools of higher technical education.

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Modernization of Forging (Cont.)

SON/3373

COVERAGE: The booklet gives an account of progressive methods for modernizing forging equipment and for organizing the production, use, and maintenance of dies. Repair of equipment and the production and use of dies are described in detail. No personalities are mentioned. There are 19 references, all Soviet.

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GINSBURG, Z.M.

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PHASE I BOOK EXPLOITATION

SOV/1359

Spravochnik mekhanika mashinostroitel'nogo zavoda v dvukh tomakh. t. 1: Organizatsiya i konstruktorskaya podgotovka remontnykh rabot (Handbook for Mechanics of Machinery Manufacturing Plants in Two Volumes. Vol. 1: Organization and Design-Preparation for Repair Work) Moscow, Mashgiz, 1958. viii, 767 p. 40,000 copies printed.

Resp. Ed.: Noskin, R.A.; Candidate of Technical Sciences; Ed.: Gliner, B.M., Engineer; Tech. Ed.: Sokolova, T.F.; Eds. of Set: Borisov, Yu.S., Engineer, A.P. Vladziyevskiy, Doctor of Technical Sciences, and R.A. Noskin, Candidate of Technical Sciences; Managing Ed. for Reference Literature (Mashgiz): Krylov, V.I., Engineer.

PURPOSE: This handbook is intended for personnel responsible for repair and maintenance operations in machinery manufacturing plants.

COVERAGE: The handbook contains information on the operation of industrial equipment, organization of repair and maintenance, design-preparation for maintenance work, modernization of metal-cutting machine tools, and the economics of maintenance. Maintenance personnel of the following plants participated in the preparation of this handbook: Leningrad Plant imeni Kirov, Khar'kov Plant

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Handbook for Mechanics of Machinery (Cont.)

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for Transport Machinery imeni Malyshev, Moscow Plant imeni Likhachev, Chelyabinsk Tractor Plant, etc. Contributions by the following are also acknowledged: workers of scientific research institutes (ENIMS, TsNIITMASH, NITI) and vtuzes (MVTU imeni Bauman, Leningrad Polytechnical Institute, Moscow Institute for Engineering Physics, Moscow Industrial Engineering Institute); and workers in engineering and planning institutes (VPTI b. MINTRANSMASH, VPTI b. MINTYAZHMASH, GSPI-8). There are no references.

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С. Г. Зингер 17.11.

ABRAMOVICH, I.I., prof., ANBINDER, A.G., inzh., AMTOSHIN, Ye.V., inzh.,
 ARKHANGEL'SKIY, L.A., inzh., ASTAF'YEV, S.S., kand. tekhn. nauk,
 AFANAS'YEV, L.A., inzh., BARGSHTEYN, I.I., inzh., BORISOV, Yu. S.,
 inzh., red., BYALYY, I.L., inzh., VETVITSKIY, A.M., inzh., GERSHMAN,
 D.Kh., inzh., GINZBURG, Z.M., inzh., GOROSHKIN, A.K., inzh.,
 YEVDOKIMCHIK, Kh.I., inzh., ZHIKH, V.A., kand. tekhn. nauk,
 ZABYVAYEV, Ye. I., kand. tekhn. nauk, [deceased], ZOBIN, V.S., inzh.,
 IVANOV, G.P., kand. tekhn. nauk, KAPRANOV, P.N., inzh., KONDRATOVICH,
 V.M., inzh., KOSTEREV, S.K., inzh., KOVAL'SKIY, N.N., inzh., KRUGLYAK,
 L.A., inzh., LUKYANOV, T.P., inzh., LAPIDUS, A.S., kand. tekhn. nauk,
 LIVSHITS, G.A., kand. tekhn. nauk, LISHANSKIY, I.M., inzh., MIGALINA,
 Ye.Ye., inzh., NOSKIN, R.A., kand. tekhn. nauk; PRONIKOV, A.S.,
 doktor tekhn. nauk, REGIERER, Z.L., kand. tekhn. nauk, RUDYK, M.A.,
 inzh., SOKOLOVA, N.V., inzh., SAKLINSKIY, V.V., inzh., SAKHAROV, V.P.,
 inzh., TOKAR', M.Kh., inzh., TKACHEVSKIY, G.I., inzh., KHRUNICHEV,
 Yu.A., kand. tekhn. nauk, TSOPIN, K.G., inzh., red.; SHEYNGOL'D, Ye. M.,
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[Handbook for machinists of machinery plants in two volumes] Spravochnik
 mekhanika mashinostroitelnogo zavoda v dvukh tomakh. Moskva, Gos.
 nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol. 2. [The technology
 of repair work] Tekhnologiya remonta. Otv. red, toms IU, S. Borisov,
 1958. 1059 p. (MIRA 11:10)

(Machinery--Maintenance and repair)
 (Machine-shop practice)

AUTHOR: Ginzburg, Z.M., Engineer SOV/91-59-1-10/26

TITLE: On the Efficiency of Measurement of the d-c Current Impedance Exerted by the Windings of Electric-Machines (Ob effektivnosti izmereniya soprotivleniya postoyannomu toku obmotok elektricheskikh mashin)

PERIODICAL: Energetik, 1959, Nr 1, pp 18 - 19 (USSR)

ABSTRACT: The author complains that there are no reliable methods available to control the condition of the soldered front-joints in generator stator-windings. He then describes and illustrates a method which was applied in a turbogenerator of 12 MW capacity (10.5 kV). The soldered joints are tested in a heated condition (current 0.5 to 0.75 I_{nom} , in dependence on the current-source). The combined ampere-voltmeter impedance-measuring way is simultaneously used and the procedure is ended by applying the usual Thomson double-bridge method or the ampere-voltmeter method at low currents. There are 2 tables, 1 circuit diagram and 1 Soviet reference.

GINZBURG, Z.M., inzh.

Improvement of the reliability of control equipment for electric cranes.
Prom.energ. 14 no.2:11-12 F '59. (MIRA 12:3)

1. Kiyevenergo.
(Electric cranes--Equipment and supplies)

GINZBURG, Z.M., inzh.

Circuit for automatic switching of standby power for pulverized-coal
feeder motors. Elek.sta. 30 no.1:87-88 Ja '59. (MIRA 12:3)
(Electric motors) (Coal, Pulverized)

GINZBURG, Z.M., insh.

Remote electric drives for the control of slide plates.

Elek.sta. 31 no.5:67-69 My '60. (MIRA 13:8)

(Electric power stations) (Remote control)

(Electric switchgear)

PHASE I BOOK EXPLOITATION

SOV/5658

Ivanov, Aleksandr Petrovich, Candidate of Technical Sciences, and
Viktor Dmitriyevich Lisitsyn, Candidate of Technical Sciences,
eds.

Modernizatsiya kuznechno-shtampovohnogo oborudovaniya (Moderni-
zation of Die-Forging Equipment) Moscow, Mashgiz, 1961. 226 p.
Errata slip inserted. 10,000 copies printed.

Reviewer: V. Ye. Nedorezov, Candidate of Technical Sciences; Ed.
of Publishing House: T. L. Leykina; Tech. Ed.: A. A. Bardina;
Managing Ed. for Literature on Machine-Building Technology
(Leningrad Department, Mashgiz): Ye. P. Naumov, Engineer.

PURPOSE: This book is intended for foremen, machinists, designers,
and process engineers concerned with the modernization and de-
signing of die-forging equipment. It may also be used by students
at schools of higher education.

COVERAGE: The book contains material presented at the Conference

Card 1/8

Modernization of Die-Forging Equipment

SOV/5658

on Problems in the Modernization and Operation of Die-Forging Equipment, held in November 1958 in Leningrad. The Conference was called by Leningradskiy Sovet narodnogo khozyaystva, Sektsiya obrabotki metallov davleniyem Leningradskogo oblastnogo pravleniya NTO Mashprom (Leningrad Council of the National Economy, Section of Metal Pressworking at the Leningrad Oblast Board of the Scientific and Technical Society of the Machine Industry) and Leningradskiy mekhanicheskii institut (Leningrad Mechanical Engineering Institute). Actual problems in the modernization, operation, and repair of die-forging equipment are described. Analyses are provided for problems involved in the mechanization and automation of die-forging and stamping operations. Also included are practical data to be used in the modernization of equipment. No personalities are mentioned. There are 59 references: 56 Soviet, 2 German, and 1 English.

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3. Methods and means for the experimental investigation of die-forging equipment (V. I. Zaytsev and M. P. Pavlov, Candidates of Technical Sciences)

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32 no. 5:79-80 My '61. (MIRA 14:5)
(Electric power plants) (Automatic control)

DUBOVAYA, Ye. D.

HERKOVSKIY, Ye. M.; VORONTSOV, I. M.; GINEBURG-DUBOVAYA, D. Ya.

DUBOVYY, Ye. D.; HERKOVSKIY, Ye. M.; VORONTSOV, I. M.; GINEBURG-DUBOVAYA, D. Ya.

Clinico-morphologic modifications in breast cancer in pre-operative x-ray irradiation. Vest khir. Grekova, Leningr. 71 no. 6:27-31 1951. (GIML 21:3)

1. Of the Department of Roentgenology (Head -- Prof. Ye. D. Dubovyy), Department of Pathological Anatomy (Head -- Prof. D. M. Khayutin), Odessa Medical Institute (Director -- Docent A. N. Motnenko) and of the Department of Oncology (Head -- Docent. I. M. Vorontsov), Odessa Institute for the Advanced Training of Physicians (Director -- Docent F. Ye. Kurkudym).

GINZBURG-GUSAKOVA, F. L.

"On the Reorganization of Reactivity of the Organism in Experimental Tuberculosis."
(Dissertation for Degree of Candidate for Medical Sciences) Min Public Health RSFSR,
Leningrad Sanitation and Hygiene Medical Inst, Leningrad, 1955

SO: M-1036 28 Mar 56

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Agranovskiy)

GINZBURG_KALININA, S.I.

Some problems of the mechanism of artificially acquired immunity.
Zhur. mikrobiol., epid. i immun. 32 no.9:52-58 S '61. (MIRA 15:2)

1. Iz Moskovskogo instituta vaktsin i syvorotok imeni Mechnikova.
(DYSENTERY) (IMMUNITY)
(TYPHOID FEVER__PREVENTIVE INOCULATION)
(WHOPING COUGH__PREVENTIVE INOCULATION)

GINZBURG-KALININA, S.I.; TIMEN, Ya.Ye.; TENDETNIK, Yu.Ya.; PRYADUKHINA,
N.S.; VAKARINA, Ye.F.

Formation of immunological reactions in experimental typhoid fever
carrier state in rabbits. Zhur. mikrobiol., epid. i immun. 40 no. 8:
14-19 Ag '63. (MIRA 17:9)

1. Iz Moskovskogo instituta vaktsin i syvorotok imeni Mechnikova.

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SIZIKOVA, Z.G.; ZUYEV, A.S.; GINZBURG-KAMINSKAYA, M.N.

Chronic dysentery in infants and its therapy by the Zamskii's method. Vopr. pediat. 20 no. 3:27-33 May-June 1952. (GIML 22:4)

1. Of the Department of Children's Diseases (Head -- Doctor Medical Sciences Prof. Gornitskaya) and of the Department of Microbiology (Head -- Doctor Medical Sciences Prof. Kosmodamianskiy), First Leningrad Medical Institute imeni I. P. Pavlov (Director -- Prof. N. Ye. Kashaikov).

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GINZBURG-KARAGICHEVA, Tat'iana Lazarevna

1963

Microbiology of Petroleum

DECEASED

1963

Country : USSR

Category: Virology. Bacterial Viruses (Phages)

E

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103490

Author : Ginzburg-Maslona, Ye. B.; Petrova, N.P.

Inst : -

Title : The Effectiveness of Typhoid Vi-Bacteriophage
Experimentally and its Influence on the Microbial
Organism

Orig Pub: Sb. Bakteriofagiya, Tbilisi, Gruzmedgiz, 1957,
183-193.

Abstract: It has been shown that the administration of typhoid
Vi-phages to mice infected with typhoid bacteria
protects 85-100 percent of the animals from death.
O-phages do not possess this property. In the bodies
of the animals treated with phage the microbes undergo

Card : 1/3

Country : USSR

Category: Virology. Bacterial Viruses (Phages)

E

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103490

lysis, and the number of them falls sharply. More active lysis is observed during the first few hours after administering the phage. However, the lysis of all the microbes after the administration of phage does not occur, and after four or five days their number again increases. In many cases the spleen is the only organ from which the administered phage can be isolated for a long time. Under the influence of the Vi-phage a considerable portion of the bacteria remaining alive change their antigenic structure and change over from the virulent V-form to the avirulent W-form. The greatest percentage of changed cultures is found during the period of greatest phage concentration in the body. In mice in which O-phage has been

Card : 2/3

G. KLEING-RABENHILF, Olga A. Kravtchenko

Clinical characteristics of (Ornithobacterium).

Dissertation for candidate of a biological science degree.

Chair of Infectious Diseases (head, Prof. A. I. Kravtchenko) Institute of Animal
Institute, 1944

GINZBURG-RAKHMLEVICH, G. I.

244T33

USSR/Medicine - Dysentery

Mar 53

"Treatment of Patients Suffering From Protracted or Chronic Dysentery With Chernokhvostov's Alcohol Vaccine," Sh. G. Ginzburg-Rakhmievich, 4th Infectious Diseases Hospital, Saratov

"Zhur Mikrobiol, Epidemiol, i Immunobiol" No 3, pp 40-41

Describes favorable effects obtained by using Chernokhvostov's vaccine in combination with sulphadiazine, antidyentery bacteriophage, rivanol or garlic enemas, and sometimes blood transfusions.

244T33

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GINZBURG-SHIK, A.D., inzh.; GANETSKIY, A.A., inzh.; CHULKOV, A.D., slesar';
CHICHUGOV, A.A., inzh.

Method for separate rolling and flanging of tubes with automatic dis-
connection at a given torque. Elek.sta. 29 no.5:76-78 My '58.

(MIRA 12:3)

(Tubes) (Rolling (Metalwork)) (Flanges)

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GINZBURG-SHIK, L. D.

PA 32/49T22

USSR/Engineering
Oxygen
Power Plants - Design

Jun 48

"Distributing Oxygen to Consumption Sites," L. D.
Ginzburg-Shik, Engr, 1½ pp

"Elek Stants" Vol XIX, No 6

Oxygen station was 800 meters from main building of
power station under construction. Describes saving
effected by fitting a distribution main instead of
transporting bottles by truck.

32/49T22

USSR/Engineering
Steam Boilers

May 49

Information of Cracks in Boiler Drums as a Result
of Installing Conical Plugs," L. D. Ginzburg-
Shik, Eng'r, N. V. Sosn'in, S. S. Yakobson, Eng'r,
2 pp

"Flex Starts" no 5

During assembly of one boiler with a working
pressure of 34 at, it was necessary to plug
extra holes in two drums. Solid conical plugs
were welded into the drums for this purpose.
18 in the upper drum and four in the lower.

44/49740

May 49

USSR/Engineering (Contd)

This led to radial cracks in the drums. Suggests
that use of welded conical plugs be discontinued,
and that screw caps be used instead.

44/49740

GINZBURG-SHIK L. D.

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energ. izd-vo.

USSR/Medicine - Dysentery

Mar 53

"Treatment of Patients Suffering From Protracted or Chronic Dysentery With Chernokhvostov's Alcohol Vaccine," Sh. G. Ginzburg-Rakhmievich, 4th Infectious Diseases Hospital, Saratov

"Zhur Mikrobiol, Epidemiol, i Immunobiol" No 3, pp 40-41

Describes favorable effects obtained by using Chernokhvostov's vaccine in combination with sulphadiazine, antidyentery bacteriophage, rivanol or garlic enemas, and sometimes blood transfusions.

244T33

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GINZBURG-SHIK, A.D., inzh.; GANETSKIY, A.A., inzh.; CHULKOV, A.D., slesar';
CHICHUGOV, A.A., inzh.

Method for separate rolling and flanging of tubes with automatic dis-
connection at a given torque. Elek.sta. 29 no.5:76-78 My '58.

(Tubes) (Rolling (Metalwork)) (Flanges) (MIRA 12:3)

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PA 32/49T22

GINZBURG-SHIK, L. D.

USSR/Engineering
Oxygen
Power Plants - Design

Jun 48

"Distributing Oxygen to Consumption Sites," L. D.
Ginzburg-Shik, Engr, 1 $\frac{1}{2}$ pp

"Elek Stants" Vol XIX, No 6

Oxygen station was 800 meters from main building of
power station under construction. Describes saving
effected by fitting a distribution main instead of
transporting bottles by truck.

SP/L9T22

GINZBURG L. D.

USSR/Engineering
Steam Boilers

May 49

"Formation of Cracks in Boiler Drums as a Result
of Installing Conical Plugs," L. D. Ginzburg-
Shik, Eng'r, N. Y. Sosn'ts, S. S. Yakobson, Eng'r,
2 pp

"Elek Stants" No 5

During assembly of one boiler with a working
pressure of 34 at, it was necessary to plug
extra holes in two drums. Solid conical plugs
were welded into the drums for this purpose:
18 in the upper drum and four in the lower.

44/49240

USSR/Engineering (Contd)

May 49

This led to radial cracks in the drums. Suggests
that use of welded conical plugs be discontinued,
and that screw caps be used instead.

44/49240

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GINZBURG-SHIK, L. D.

Pipe-bending in assembly work Moskva, Gos. energ. izd-vo, 1951. 102 p. (54-35088)

TS280.G5

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MG-SHIK, L. D.

inery - Construction

aker for packing sand in tubes, Elek. sta. 23 No. 3, 1952

CINZ:Uth.

Mach

Monthly List of Russian Accessions, Library of Congress, July 195²₇, Uncl.

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1. GINZBURG-SHIK, L. D., Eng.
2. USSR 600
4. Pipe Fittings
7. Welded, equal-volume, T-pipes for high pressure pipelines, Elek. sta., 23, No. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

"APPROVED FOR RELEASE: Tuesday, September 17, 2002
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~~GINZBURG-SHIK, Ley Davidovich; ZAYDEL', V.A., redaktor; FRIDKIN, A.M.,
tekhnicheskiiy redaktor~~

[Tackle and tackle operations in assembling heat power equipment
at an electric power station] Takelazh i takelazhnye raboty pri
montazhe teplomekhanicheskogo oborudovaniia elektrostantsii. Mo-
skva, Gos. energ. izd-vo, 1955. 231 p. (MLRA 8:8)
(Hoisting machinery) (Electric power plants)

GINZBURG-SHLIK, Iay Davidovich; GRIGOR'YEV, T.Ye., inzhener, redaktor;
VORONIN, K.P., tekhnicheskii redaktor

[Manual for operators of riggings and tackle] Pamiatka takelashnika.

Pod red. T.E.Grigor'yeva. Moskva, Gos. energ. izd-vo, 1957. 95 p.

(MLRA 10:6)

(Hoisting machinery)

GANETSKIY, A.A., inzhener; GIZBURG-SHIK, L.D., inzhener.

Automatic gas valve. Blok. sta. 28 no.6:66 Je '57. (MIRA 10:8)
(Valves)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R0005

GINZBURG-SHIK, N.D., inzhener; DEMCHENKO, N.I., inzhener.

Exchanging rolled pipe joints for welded collectors. Elek.sta.23
no.7:74-79 J1 '57. (MLHA 10:9)

(Boilers)

Ginzburg-Shik L.D.

91-58-5-5/35

AUTHORS: Ganetskiy, A.A., Engineer, and Ginzburg-Shik, L.D., Engineer

TITLE: Assembling the Boiler Frame Without Filling the Column
Sockets With Mortar (Montazh karkasa kotla bez podlivki
rastvorom bashmakov kolonn)

PERIODICAL: Energetik, 1958, Nr 5, p 9 (USSR)

ABSTRACT: A new method for laying the frame columns was used in the assembly of the boiler TP-200. Instead of the embedded plates of sheet metal, an embedded frame of angular steel was employed. The dimensions of the frame were 100x100x12 mm (see Figure). The frame must be 80-100 mm longer and broader than the column socket. The frame is adjusted and welded to the reinforcement of the concrete. Then the laying of the concrete is finished. The new method is faster, the adjustment of the frame simpler, the work of the crane is lessened. In the former method, 6-8 men were needed for 3-4 shifts. Now 3 men can do the work. The method has been successfully applied to boilers in Yaroslavl', Minsk, Omsk, and Gor'kiy.

There is 1 figure

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Card 1/1

1. Boilers - Assembly - Frames

GINZBURG-SHIK, L.D., inzh.; DEMCHENKO, M.I., inzh.; Y. FOSBON, S.S., inzh.

Cracks in pipe welds. Mlek. sta. 29 no. 4:28-31 Ap '58.
(Welding) (MIRA 11:8)

15/1

PHASE I BOOK EXPLOITATION

SOV/3284

Butenko, N. L., Engineer, L. D. Ginzburg-Shik, Engineer, K. S. Yevtyukhov, Engineer, V. A. Krylov, Engineer, I. I. Mikheyev, L. M. Khinkis, Engineer, B. Z. Chernyak, Candidate of Technical Sciences, and V. N. Yakovlev, Engineer.

Spravochnik po montazhu zavodskogo oborudovaniya (Handbook on Assembling and Installation of Plant Equipment) Moscow, Mashgiz, 1959. 828 p. Errata slip inserted. 20,000 copies printed.

Ed. (Title page): V. N. Yakovlev, Engineer; Ed. (Inside book): G. A. Molyukov, Engineer; Tech. Ed.: A. Ya. Tikhanov; Managing Ed. for Handbook Literature (Mashgiz): I. M. Monastyrskiy, Engineer.

PURPOSE: This book is intended for technical personnel engaged in the installation and erection of industrial equipment.

COVERAGE: The book contains a set of instructions and engineering data on equipment, devices, and tools used in the installation and erection of industrial equipment and machinery. Installation
Card 1/4

Handbook on Assembling and Installation (Cont.) SOV/3284

procedures for various machines, pneumatic, hydraulic and lubricating systems are explained. The book also discusses safety regulations and fire prevention instructions to be observed during various operations. The text contains numerous graphs, tables and illustrations. No personalities are mentioned. There are 7 Soviet references.

PART I. EQUIPMENT, DEVICES, AND TOOLS FOR ASSEMBLY OPERATIONS

Ch. I. General Reference Information. (Yakovlev, V. N., Engineer)	14
Ch. II. Hoisting and Transportation Equipment. (Ginzburg-Shik, L.D., Engineer)	118
Ch. III. Machine-Tool Equipment. (Butenko, N. L., Engineer)	200
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CIA-RDP86-00513R000
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GINZBURG-SHIK, Lev Davidovich; IPATOV, P.P., inzh., retsenzent;
POLOZHINTSEV, V.R., inzh., red.; TSOPIN, K.G., inzh., red.
izd-va; STROGANOV, L.P., inzh., red. izd-va; MODER', B.I.,
tekhn.red.

[Installation of boiler systems; brief reference book] Montazh
kotloagregatov; kratkoe spravochnoe posobie. Moskva, Gos.nauchno-
tekhn.izd-vo mashinostroit.lit-ry, 1960. 231 p.

(MIRA 13:11)

(Boilers)

VINNITSKIY, David Yakovlevich; ~~GINZBURG-SHIK~~, Lev Davidovich; 'AYDEL', Viktor Arnol'dovich, kand. tekhn. nauk; ZAKHARASHEVICH, Anatoliy Aleksandrovich; KAPRALOV, Viktor Aleksandrovich; SOLOV'YEV, Vladimir Borisovich; CHULKOV, Sergey Pavlovich; YAKOBSON, Sergey Sergeyevich; KORIKOVSKIY, I.K., red.; ANTIKAYN, P.A., red.; VORONIN, K.P., tekhn. red.

[Handbook for the installation of heat engines and related equipment]
Spravochnik po montazhu toplomekhanicheskogo oborudovaniia. Izd. 2.,
perer. Moskva, Gos. energ. izd-vo, 1960. 560 p. (MIRA 14:8)
(Heat engines)

GINZBURG-SHIK, L.D., inzh.; BRONSHTEYN, I.I., red.; BORUNOV, N.I.,
tekh. red.

[Manual for riggers]Pamiatka takelazhnika. Moskva, Gosenergo-
izdat, 1961. 86 p. (MIRA 16:1)
(Hoisting machinery) (Pulleys)

SMIDOV, German Mikhaylovich; GINZBURG-SHIK, L.I., red.

[Installation of pipelines in thermal electric power
plants] Montazh truboprovodov teplovykh elektrostanih.
Moskva, Energiia, 1964. 263 p. (ENR 17:9)

GINZBURG-SHIK, Lev Davidovich; MINKOVSKIY, B.I., red.

[Riggings and rigging operations in the installation of
thermomechanical equipment in electric power plants]
Takelazh i takelazhnye raboty pri montazhe teplomekhanicheskogo oborudovaniia elektrostantsii. Izd 2., perer.
Moskva, Energiia, 1965. 278 p. (MIRA 18:7)

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GINZBURGSKIY, G.M.
BEREGOV, K.S.; GINZBURGSKIY, G.M.

Campaign for economy in petroleum and petroleum products.
Neftianik 2 no.10:8-9 0 '57. (MIRA 10:12)
(Petroleum industry)

SASEK, Ladislav; GINZEL, Wolfgang

An apparatus for determining the "immersion point". Silikaty
5 no.2:163-170 '61.

1. Katedra technologie silikatu, Vysoka skola chemicko-
technologicka, Praha.

Country : Rumania E-2
 Category : Analytical Chemistry. Analysis of Inorganic
 Substances.
 Abs. Jour. : Ref. Zhur.-Khimiya No. 6, 1959 19153
 Author : Gioara, A.; Cariadi, L.
 Institut. :
 Title : Polarographic Determination of Soluble Salts
 in Clays.
 Orig Pub. : Rev. chim., 1958, 9, No 6, 342-344

Abstract : Description of an indirect method of determining soluble sulfates in clays, which is based on polarography of excess Pb^{2+} -ions that remain after precipitation of SO_4^{2-} as $PbSO_4$. 100 g of dried and comminuted clay are slurried with 400 ml water, heated for 3-4 hours on water bath, diluted with water to 1 liter, stirred and allowed to stand for 24 hours. To 10 ml of resulting mixture are added 2 ml 0.1 N $Pb(CH_3COO)_2$, 5 ml ethanol and 8 ml water, stirred and allowed to stand 1 hour to settle $PbSO_4$. 1 ml of clear supernatant solution is taken for polarography; added 1 ml 5 M CH_3COONH_4 and 3 ml water. With this background $E_{1/2}$ Pb is - 0.80 v. Bi^{3+} and Sn^{2+} , which interfere with Pb determination, are
 Card: 1/2

BARBULESCU, N.; MAIOR, O.; GIOABA, A.

Protomic and diketonic condensation of 2-acetylphenoxanthin with aromatic and heterocyclic aldehydes. Rev chimia Min part 15 no.6: 330-332 Je '64.

1. Laboratory of Organic Chemistry, Faculty of Chemistry, Bucharest University

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CIA-RDP86-00513R0005

GRIGOROVICI, R.; GIOBANU, G.; TOMA, E.

A study on the diffusion of light over the thin granulated layers of
silver. Studii cerc fiz 11 no.3:695-709 '60. (EEAI 10:2)
(Light) (Silver)

GIOCAN, C.

RUMANIA/Chemical Technology - Chemical Products and Their
Application, Part 3. - Fermentation Industry.

H-27

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 48417

Author : C. Giocan, D. Rusnac

Inst :

Title : Sorts of Grapes for Brandy Production in People's
Republic of Rumania.

Orig Pub : Gradina, via si livada, 1957, 6, No 10, 23-27

Abstract : The following grape sorts are the most suitable for the
production of high quality brandies: Clairette, Plevaya,
Galbena, Krymposhiya, Gordan, Bragina, Beshikata, Yordo-
vana, Mazharka, Steinschiller, Kryatsa-de-Banat, Samovy-
anka, Selection-Carriere, Solombar, Sylvaner, Risling,
Fetyaske, and Aramon from the vineyards in Panchu,
Odobasht, Nikoresht, Dragashan', Segarcha, Banat and
Hunedoara regions.

Card 1/1

RUMANIA/Chemical Technology - Chemical Products and Their
Application. Elements, Oxides, Mineral Acids,
Bases, Salts.

H-8

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8607

the drying of air was found to be immaterial. Efficient stirring and pulverization during the fusion are necessary. Best suited is a fusion containing 1 part of ore and 2 parts of KOH. If CaCl_2 is not available it is possible to use dolomite converted to chlorides. Oxidizing solution of KMnO_4 can replace NaClO and CaCl_2O in textile industry.

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GIOGA, S.; LEMNIJ, I.

"The socialist victory in Rumania" by I.P.Oleinik. Reviewed
by S.Gioga, I.Lemnij. Probleme econ 16 no.4:117-121 Ap '63;

GIOGOLEA, G., prof.; MORAIT, G.; TEODORESCU, N.

A new method for the determination of caesium. Romanian M Rev. no.4:
87-90 Q-D '60.

(CESIUM chemistry)

RUMANIA/ Farm Animals. Small Horned Stock.

2

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40469.

Author : Giolca, N.

Inst : Not given.

Title : The Organization of Sheep Nutrition in the Winter
Period.

Orig Pub: Probl. zootehn., 1956, No 12, 40-46.

Abstract: No abstract.

Card 1/1

GIONCU, Victor

Bending theory of the hyperbolic paraboloid bound by
straight generators. Pt. 1. Studii cerc mec apl 15 no.1:
217-234 '64.

1. The Direction of systematization, architecture, and
designing of construction, Banat.

GIONCU, Victor

Bending theory of the hyperbolic paraboloid bound by straight generators. Pt.2. Studii cerc mat apl 15 no.2:339-359 '64.

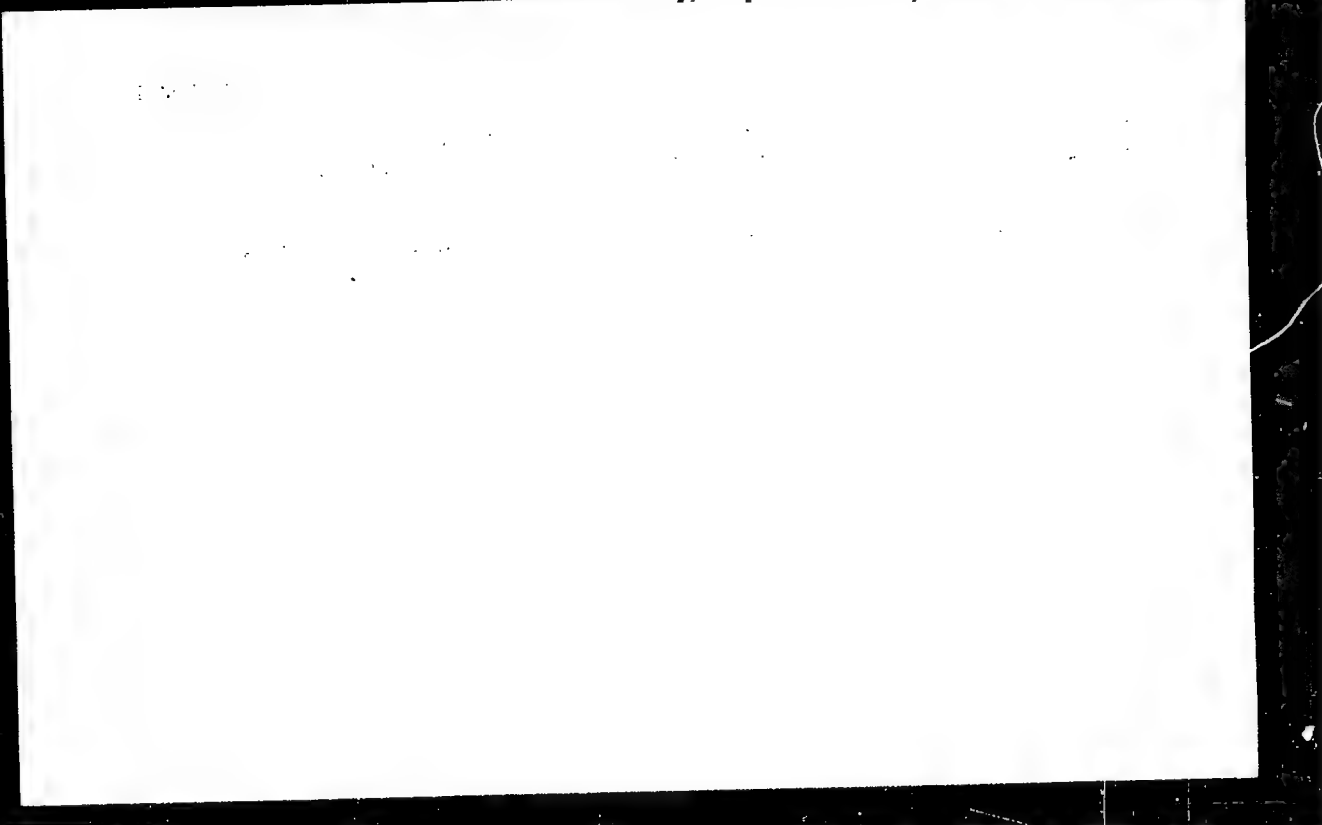
1. Submitted August 27, 1963.

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1. GIONTI, M.D. - SABATIN, YE. YU
2. USSR (600)
4. Batum - Botanical Gardens
7. Results of wintering of subtropical plants in the Batum Botanical Garden.
Biul. Glav. bot. sada no. 12, 1952

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified

Glonti M.D.

USSR/ Biology - Botanical gardens

Card 1/1 Pub. 86 - 7/36

Authors : Glonti, M. D., and Matinyan, A. B.

Title : ~~Botanical gardens~~
The Batumi botanical garden

Periodical : Priroda 2, 54-60, Feb 1954

Abstract : Scientific data are given concerning the variety of tropical and semi-tropical plants growing in the botanical garden of Batumi at the Black Sea. One USSR reference (1950). Illustrations.

Institution :

Submitted :

GIORDANO, G.

The cable meter and the switching posts in cable railroads. p. 81

SUMARSKI LIST. (Sumarsko drustov Hrvatske) Zagreb, Yugoslavia
Vol. 83, no. 4/5, Apr./may 1959

Monthly list of East European Accessions (EEAI) LC Vol. 9, no. 2, 1960

Uncl.